

SELECTING A TARGET DEVICE IN A DEVICE NETWORK**Abstract**

A device network to process signals has target devices, selecting devices that are
5 movable relative to the target devices, and controllers. The controllers are in communication
with the target devices and the selecting devices. Each of the selecting devices has a position
sensor and an orientation sensor to provide spatial and angular co-ordinates of position and
orientation when pointing to a target device and upon receiving a user input. Each of the
10 selecting devices also has a signal processor to generate a control signal having the position
and orientation data. This control signal is then transmitted by a transmitter, via a radio
frequency channel, to a controller. Upon receiving the control signal, the controller
determines whether, for example, a target device has been selected by a selecting device by
comparison of the orientation data with a derived orientation based on the position data and
the known position of the target devices.

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